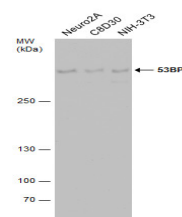


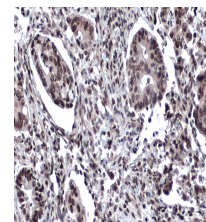
Product Datasheet

53BP1 antibody GRP91

Description	P53-binding protein 1 (53BP1) plays a critical role in tumor suppression and is a putative substrate of ATM kinase. Upon DNA damage, it is phosphorylated and relocalizes to the presumptive sites of damage, specifically, double-strand breaks. This also suggests a role in DNA repair, maintaining genomic stability.
Species/Host	Rabbit
Reactivity	Human, Mouse
Conjugation	Unconjugated
Tested Applications	ICC, IF, IHC-P, WB
Immunogen	Synthetic peptide corresponding to the carboxy-terminus of h53BP1, conjugated to a carrier protein.
Form/Appearance	Liquid: 1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Concentration	5.08 mg/ml
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Note	For research use only.
Isotype	IgG
Clonality	Polyclonal
Purity	Purified by antigen-affinity chromatography.
Uniprot ID	Q12888
Entrez	7158
Dilution Range	WB: 1:500-1:3000, IHC-P: 1:100-1:4000



Various whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with 53BP1 antibody (GRP543) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



53BP1 antibody detects 53BP1 protein at nucleus by immunohistochemical analysis. Sample: Paraffin-embedded human colon cancer. 53BP1 stained by 53BP1 antibody (GRP543) diluted at 1:4000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min